

AMENDMENTS TO THE SPECIFICATION

Please amend the following paragraphs of the application:

Amend the paragraph at page 3, lines 21-25 as follows:

According to the present invention there is provided a base station for communicating signals between an operator and one or more mobile units by means of an antenna system having a plurality of radiating elements, ~~characterised in that~~ wherein:

Amend the paragraph at page 4, lines 1-5 as follows:

wherein splitting, combining, and component signal amplifying means is provided between the application of the complex weight to the component signal and the component signal passing through its associated radiating element or elements, ~~the splitting and combining means being arranged such that it allows other operators to be connected to the same antenna system.~~

Add the following paragraphs after the paragraph on page 4, ending at line 5:

characterised in that:

the splitting and combining means incorporates an interference allowing other operators to be connected simultaneously to the same antenna system, with each operator operating on a different frequency, and the system further includes a measurement receiver, and a data hub, wherein the measurement receiver is adapted to take a complex measurement from any component signals in the vicinity of the antenna system and generated by any basestation connected to the antenna system, and to pass the measurement to the generating basestation via the data hub, to enable phase component signal phase connection due to changes in feeder length between the basestation and the antenna.

Add the following paragraphs after the paragraph on page 7, ending at line 16:

measuring at least one or said component signals in the vicinity of the antenna using a measuring receiver, and passing information relating to the measurement through a data hub to the basestation.

Amend the paragraph beginning at page 7, lines 22-34 as follows:

According to a further aspect of the invention there is provided a method of controlling the direction of a receive beam produce by an antenna connected to at least two base stations, the method comprising:

i) receiving in the antenna a plurality of component signals, each relating to a receiving element or group of receiving elements, and passing the signals to splitting and filter means via a plurality of feeder cables;

ii) separating using splitting and filter means the components signals intended for a first base station, and amplifying said component signals using amplification means;

iii) applying a complex weight or weights to at least one of the component signals in the first base station, thereby changing the phase and/or amplitude of the component signal relative to at least one other of the component signals;

iv) combining the component signals in a beamformer in the first base station to produce a receive beam formed in a direction governed by the complex weight or weights;

v) feeding a signal from a signal generator to one or more feeder cables in the vicinity of the antenna, and measuring the properties of the received signal at the basestation; and

vi) repeating steps ii to v to in a second basestation independently of the first base station.